

## Site activities IVO Gold King Mine Release

23AUG2015

| Agency/Organization  | Number of Personnel |
|----------------------|---------------------|
| EPA                  | 01                  |
| USCG                 | 04                  |
| ER                   | 09                  |
| START                | 03                  |
| OMNI Water Solutions | 03                  |
| Visitors             | 02                  |
| Total Personnel      | 22                  |

### Water Treatment –

- Caustic and flocculent addition on going.
- Pumping from Gold King Mine treatment pond 1 to Red and Bonita pond 3.
- Initiated preparation for diverting flow to R&B ponds.
- Preparing for lime slurry ops if needed based upon evaluation of current operations

### Sediment Recovery – OMNI Water Solutions / Rain for Rent

- Omni removed sediment from the ponds into filter bags.

### Water quality Sampling – START Data submitted separately.

- Water quality parameters collected at 11 locations three times daily
- Flow Rate of 545 GPM was recorded at 0830 from the Gold King Mine adit portal.
- Flow rate of 548 GPM was recorded at 1530 from the Gold King Mine adit portal.
- USCG personnel to monitor the PH and NTU's at 4 different locations every 2 hours to monitor water treatment change.

### Red and Bonita (R&B) Mine Operations –

- Installation of bulkheads in preparation to close mine.

### Gold King Mine Ops –

- Road repairs to adit portal with gabion baskets and regrading completed.

### Media Interest –

- Senator Burgess to visit 25 AUG 2015.
- No media or VIP site visits today

### **Logistics –**

- EPA MEOC working off contracted generator.
- Light plants for MEOC and work sites.

### **Future Actions –**

- Change treatment in first pond from direct treatment to circular treatment to improve circulation.
- 20' x 30' tent to be delivered 25 AUG 2015 for site
- San Miguel Power to remove damaged power lines 26 AUG 2015.
- Rain for Rent engineering solution for diversion to R&B and down to Gladstone.
  - Additional rerouting options.
- Survey to be conducted for Gold King Mine waste dump
- Discussing the procurement of a water truck to help create Lime Slurry mixture in totes
- Automated lime treatment system on order
- Stream diversion equipment to arrive Monday for installation.
- Examining the option of creating a lime slurry with a PH of 7.5 and stopping the addition of the caustic solution and Brenn-FLOC